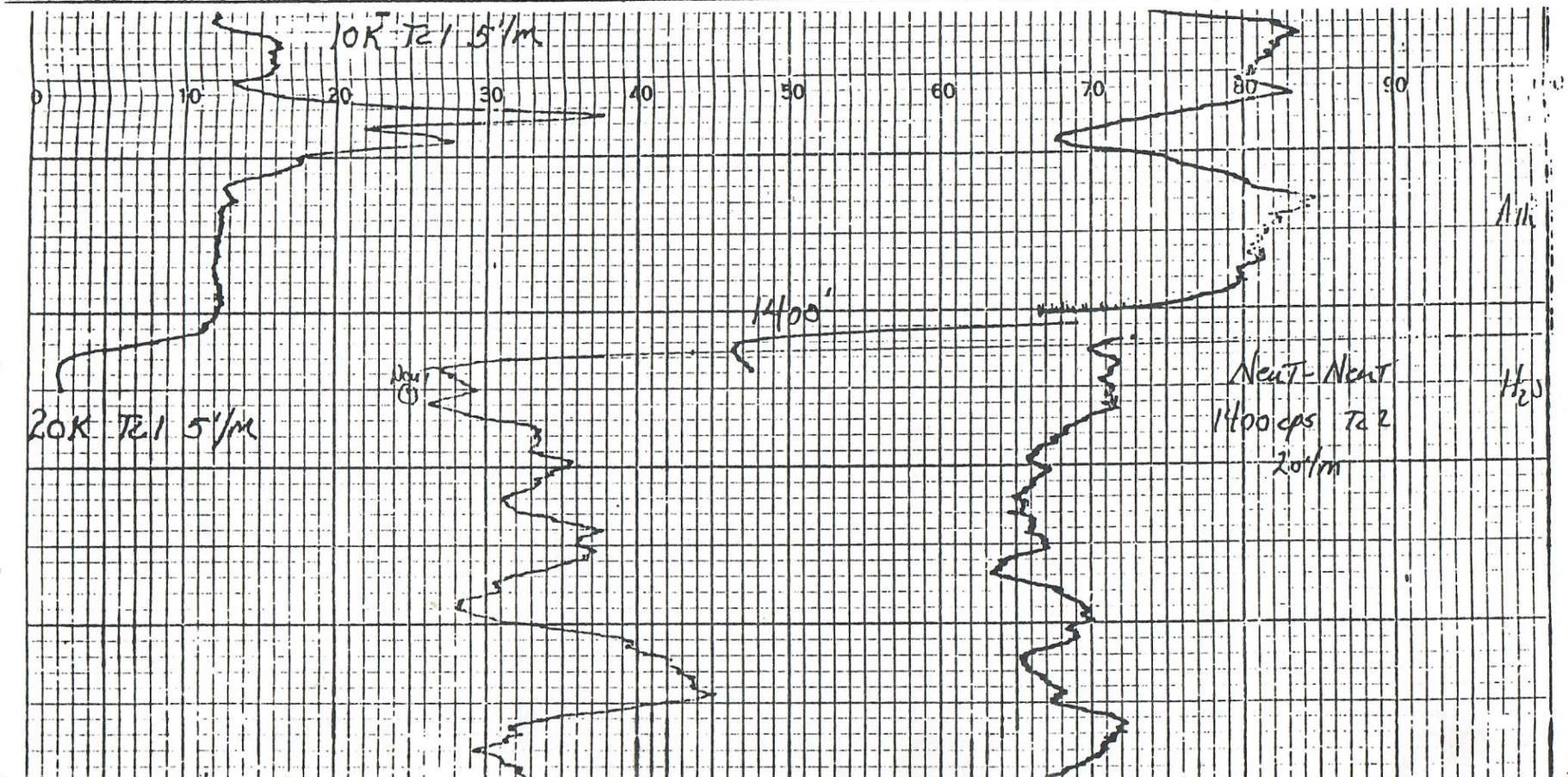
INDEPENDENCE STREET
IDGE (DENVER), CO 80033
(303) 422-5478

NUCLEAR LOGGING SERVICE, INC.

BOX 670
NUCLA, CO 81424
(303) 864-2213

Y: ENERGY FUELS NUCLEAR	–CALIBRATION–	–HOLE DATA–
AREA: SOUTH GRAND CANYON		DRILLING CONTRACTOR: QUALITY DRILLING
: CYN-1		DRILL NO:
	.5 FT. K FACTOR (AIR) 1.23X10⁵	DEPTH DRILLED: 2300 FT.
5/30/83	WATER FACTOR / CASING FACTOR	HOLE DIAMETER: 5⅝ (0'-1747') 5⅛ (1747'-2300') IN.
: COCONINO	DEAD TIME: 11.49 u SEC.	DRILLING FLUID:
AZ	PROBE NO. 921	FLUID LEVEL: 1401 FT.
TWN: RNG:	PROBE DIAMETER: IN.	DEPTH LOGGED: 2225 FT.
ON:	5" = FULL SCALE	TOTAL FOOTAGE LOGGED: FT.



GEOSCIENCE ASSOCIATES

HOLE # CYN-2 LOGGING DATA

Date MON 13 JUNE

LOCATION	HOLE NUMBER: CYN-2	CLIENT: ENERGY FUELS NUC
State/County: Arizona / Coconino	Collar elev. ft.	Claim:
Region: South Rim	Depth drilled: 2030 ft.	Owned by:
Project: Canyon	CASING DATA / HOLE DATA	Operated by:
Prospect:	Wall size 6" in. / Dia. 5⅞ from 0 to 2030	Unit operator: F.J. Swingholm
Sec. 20 Twp. 29 N Rng. 03 E	Dia. (inside) PLASTIC in. / Dia. from to	Unit No. L-2 Office: Boulde

Has full plastic casing

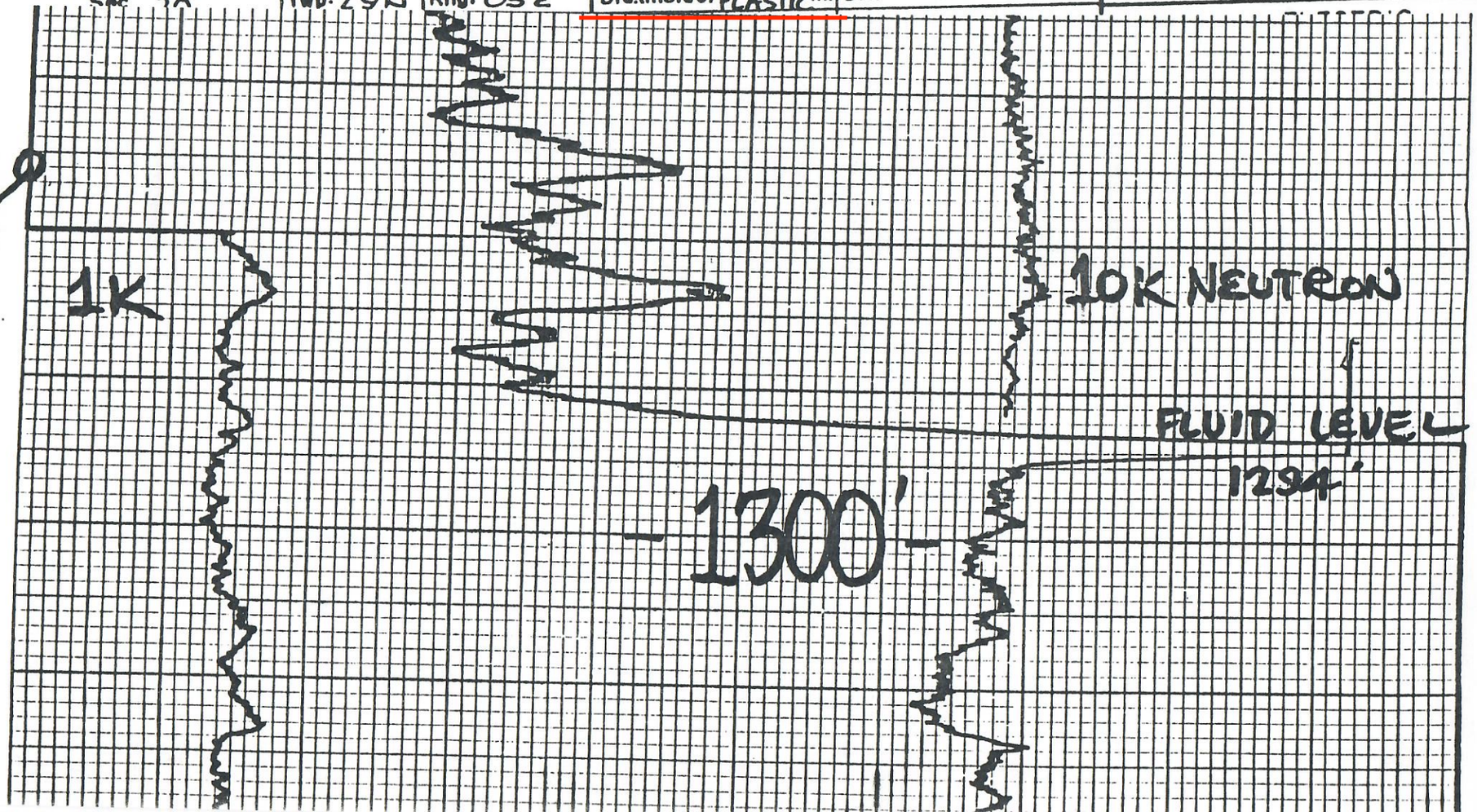


CHART NO. WH

ATED. HOUSTON, TEXAS, U.S.A.

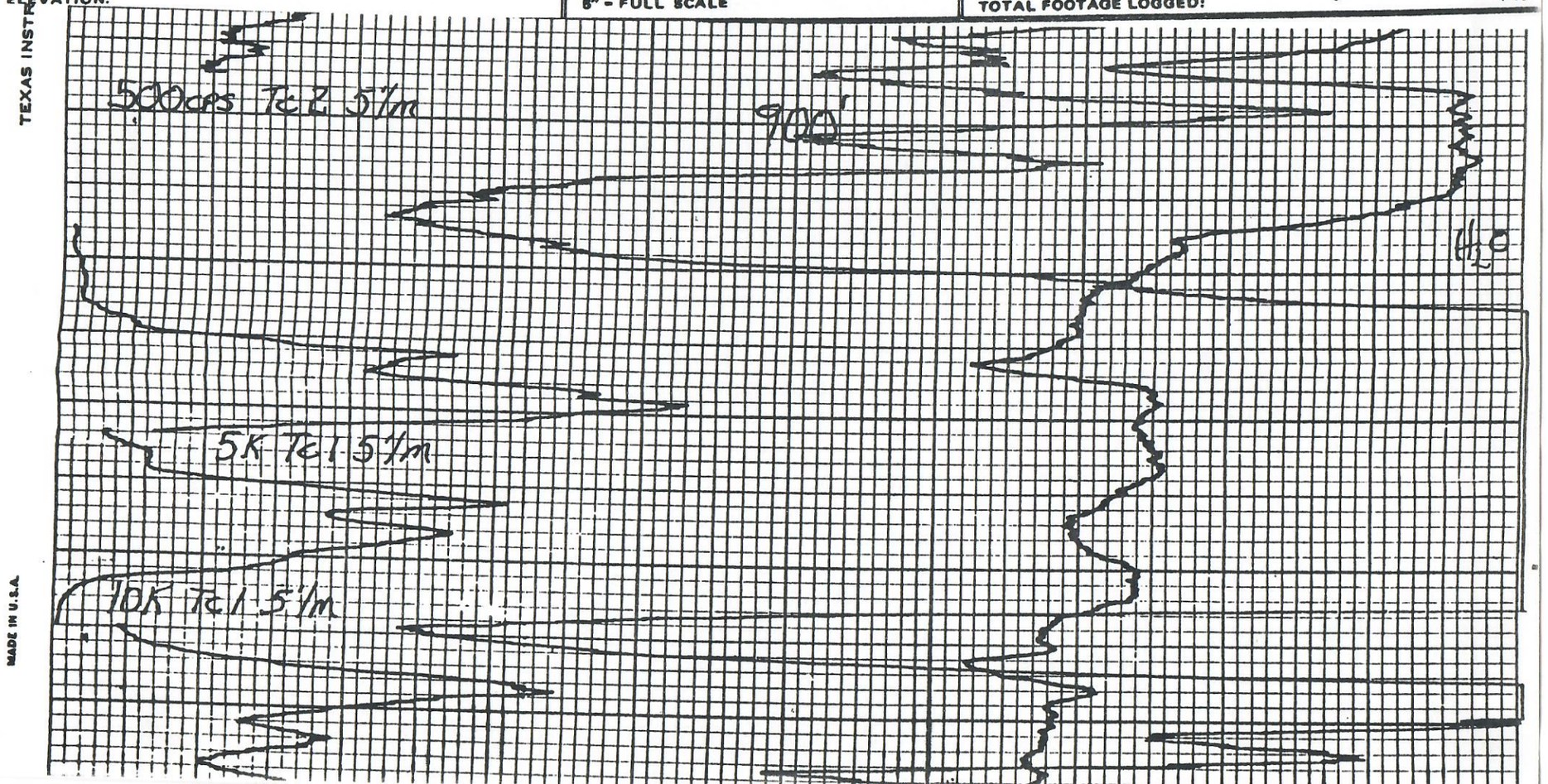
CYN-3

4765 INDEPENDENCE STREET
WHEAT RIDGE (DENVER), CO 80033
(303) 422-5478

NUCLEAR LOGGING SERVICE, INC.

BOX 670
NUCLA, CO 81
(303) 864-22

COMPANY: ENERGY FUELS NUCLEAR	–CALIBRATION–	–HOLE DATA–
PROJECT AREA: SOUTH GRAND CANYON		DRILLING CONTRACTOR: QUALITY DRILLING
HOLE NO: CYN-3		DRILL NO:
	.5 FT. K FACTOR (AIR) 6.10X10⁵	DEPTH DRILLED: 1943 FT.
DATE: 6-28-83	WATER FACTOR 1.096 CASING FACTOR 1.58	HOLE DIAMETER: 5 1/8 IN.
COUNTY: COCONINO	DEAD TIME: 6.69 μ SEC.	DRILLING FLUID:
STATE: AZ	PROBE NO. 242 (SHIELDED)	FLUID LEVEL: 907' FT.
SECTION: TWN: RNG:	PROBE DIAMETER: IN.	DEPTH LOGGED: 1830 FT.
ELEVATION:	5" – FULL SCALE	TOTAL FOOTAGE LOGGED: FT.



CYN-4

4765 INDEPENDENCE STREET
WHEAT RIDGE (DENVER), CO 80033
(303) 422-5478

NUCLEAR LOGGING SERVICE, INC.

BOX 670
NUCLA, CO 81424
(303) 864-2213

COMPANY: ENERGY FUELS NUCLEAR	–CALIBRATION–	–HOLE DATA–
PROJECT AREA: SOUTH GRAND CANYON		DRILLING CONTRACTOR: QUALITY DRILLING
HOLE NO: CYN-4		DRILL NO:
	.5 FT. K FACTOR (AIR) 1.21X10⁻⁵	DEPTH DRILLED: 1950 FT.
DATE: 7-12-83	WATER FACTOR / CASING FACTOR	HOLE DIAMETER: 5 1/8 IN.
COUNTY: COCONINO	DEAD TIME: 4.77 μ SEC.	DRILLING FLUID:
STATE: AZ	PROBE NO. 5202	FLUID LEVEL: 1352 (FOAM/H₂O) FT.
SECTION: TWN: RNG:	PROBE DIAMETER: IN.	DEPTH LOGGED: 1945 FT.
ELEVATION:	5" = FULL SCALE	TOTAL FOOTAGE LOGGED: FT.

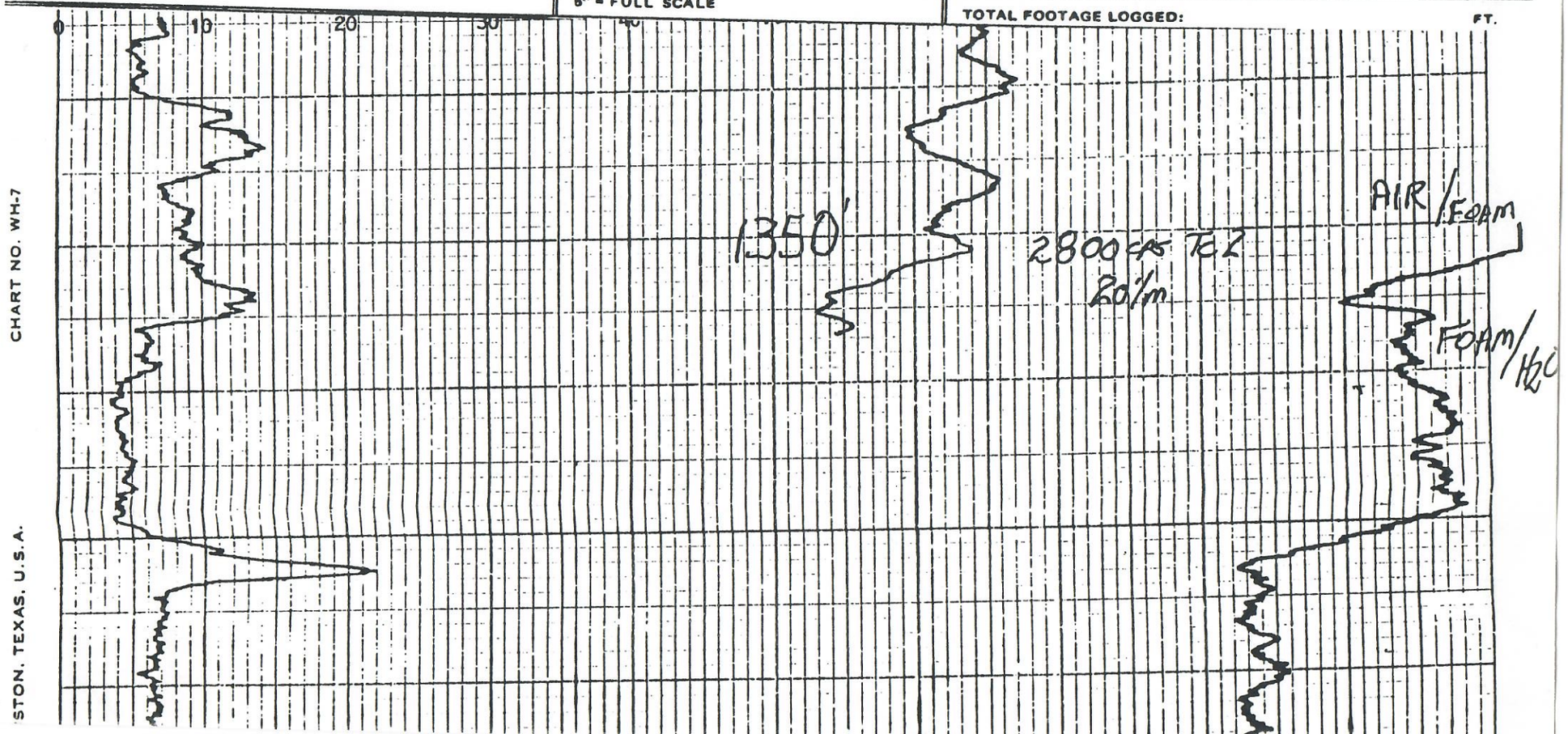


CHART NO. WH-7

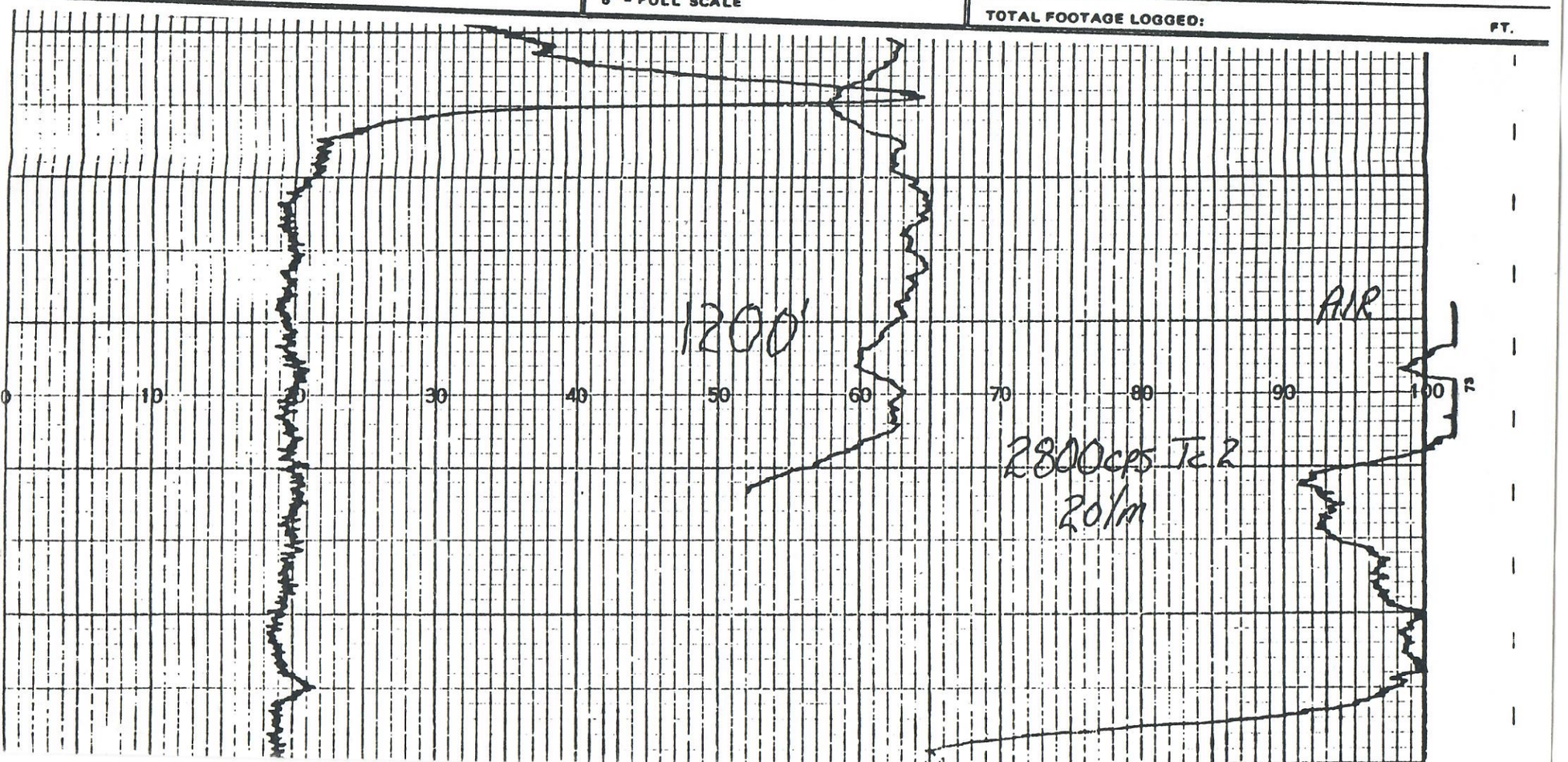
STON, TEXAS, U.S.A.

4765 INDEPENDENCE STREET
WHEAT RIDGE (DENVER), CO 80033
(303) 422-5478

NUCLEAR LOGGING SERVICE, INC.

BOX 670
NUCLA, CO 8147

COMPANY: ENERGY FUELS NUCLEAR	–CALIBRATION–	–HOLE DATA–
PROJECT AREA: SOUTH GRAND CANYON	PROBE # 242 (SHIELDED)	DRILLING CONTRACTOR: QUALITY DRILLING
HOLE NO: CYN-5	ANALOG: DT 7.95 MS KF 6.15	DRILL NO:
	.5 FT. K FACTOR (AIR) 1.21 x 10⁵	DEPTH DRILLED: ~~2300~~ 2310 W.A.S. FT.
DATE: 7-26-83	WATER FACTOR 1.096 CASING FACTOR	HOLE DIAMETER: 5⅞ IN.
COUNTY: COCONINO	DEAD TIME: ANALOG 5.21 u SEC.	DRILLING FLUID:
STATE: AZ	PROBE NO. 5202	FLUID LEVEL: 1210 FT.
SECTION: TWN: RNG:	PROBE DIAMETER: IN.	DEPTH LOGGED: 2286 FT.
ELEVATION:	5" - FULL SCALE	TOTAL FOOTAGE LOGGED: FT.



Rainstorm 7/14/83 - destroyed samples 940-1,160'
Lost circulation below 1,375'

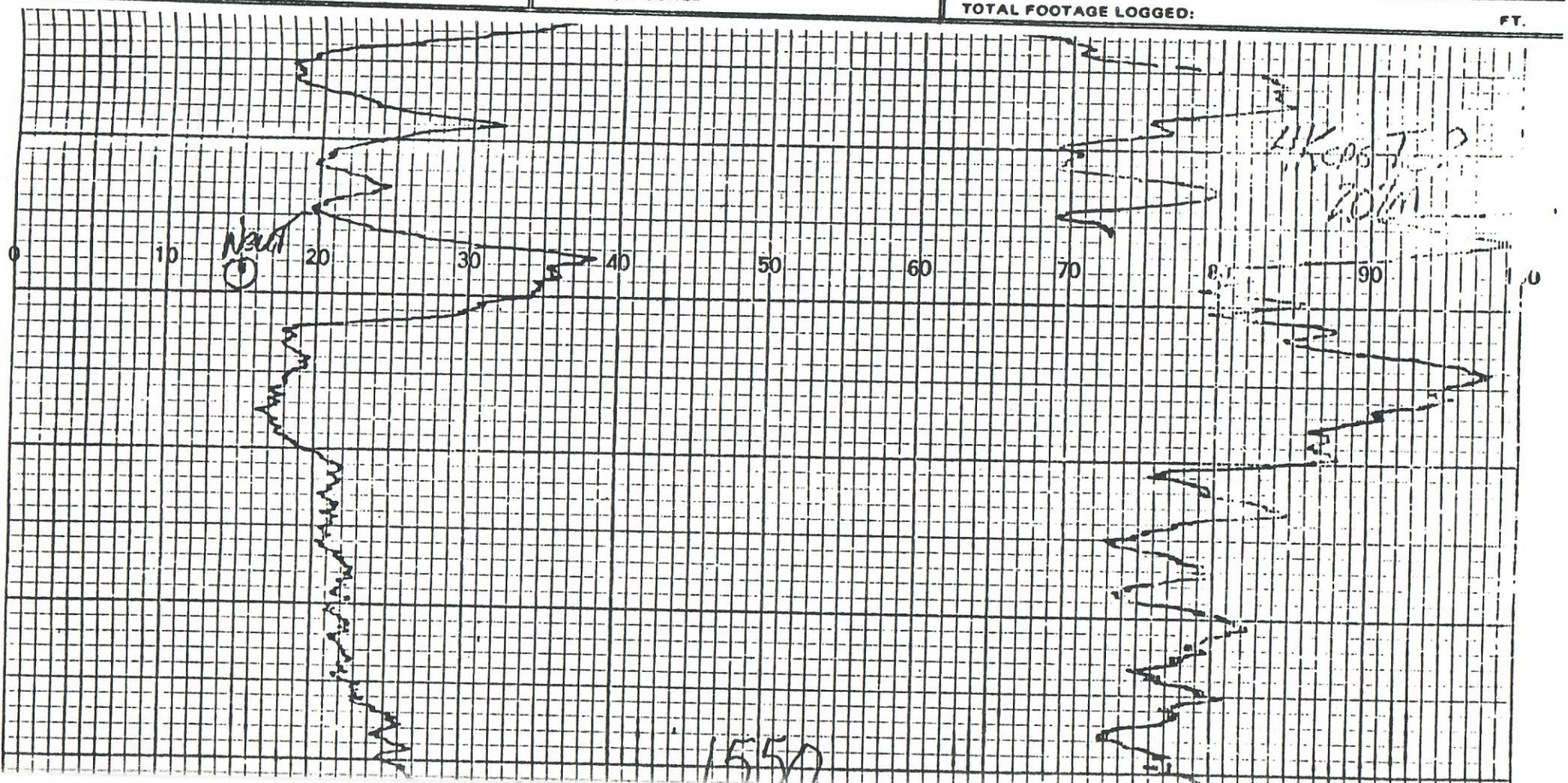
CYN-6

NUCLEAR LOGGING SERVICE, INC.

1765 INDEPENDENCE STREET
AT RIDGE (DENVER), CO
(303) 2 5478

BOX 670
NUCLA, CO 81424
(303) 864-2213

COMPANY: ENERGY FUELS NUCLEAR	—CALIBRATION—	—HOLE DATA—
PROJECT AREA: CANYON	GEOL: K. HEFTON	DRILLING CONTRACTOR: QUALITY DRILLING
WELL NO: CYN-6		DRILL NO:
DATE: 5/20/84	.5 FT. K FACTOR (AIR) 1.22X10^{3}	DEPTH DRILLED: [redacted] 2305 FT.
COUNTY: COCONINO	WATER FACTOR 1.096 CASING FACTOR	HOLE DIAMETER: 6¼ (0-800), 5⅞ (800-TD) IN.
STATE: AZ	DEAD TIME: ANALOG 5.20 u SEC.	DRILLING FLUID:
SECTION: 20 TWN: 29N RNG: 3E	PROBE NO. 5202	FLUID LEVEL: 1514 H_2O, 1675 MUD? FT.
LOCATION:	PROBE DIAMETER: IN.	DEPTH LOGGED: 2301 FT.
	6" = FULL SCALE	TOTAL FOOTAGE LOGGED: FT.



CYN-8

4765 I[illegible] STREET
WHEAT R[illegible] (DENVER), CO [illegible]
(303) [illegible]-5478

NUCLEAR LOGGING SERVICE, INC.

[illegible]
NUCLA, CO 814
(303) 864-221[illegible]

COMPANY: ENERGY FUELS NUCLEAR	–CALIBRATION–	–HOLE DATA–
PROJECT AREA: CANYON	GEOL: B. CASADEVALL	DRILLING CONTRACTOR: QUALITY DRILLING
HOLE NO: CYN-8		DRILL NO:
	.5 FT. K FACTOR (AIR) 1.22X10⁻⁵	DEPTH DRILLED: 1570 FT.
DATE: 7/26/84	WATER FACTOR 1.0% CASING FACTOR	HOLE DIAMETER: 5⅞ (900'); 5⅛ (TD) IN.
COUNTY: COCONINO	DEAD TIME: ANALOG 5.20 u SEC.	DRILLING FLUID:
STATE: AZ	PROBE NO. 5202	FLUID LEVEL: NO WATER FT.
SECTION: 6 TWN: 28N RNG: 3E	PROBE DIAMETER: IN.	DEPTH LOGGED: 1570 FT.
ELEVATION:	5" = FULL SCALE	TOTAL FOOTAGE LOGGED: FT.

Drill logs notes water level at 966'
Caluated water factor

INITIAL RUN	GAMMA RERUNS		DENSITY
GAMMA–FULL SCALE 400 CPS	SCALE: 1K 10K CPS.	SCALE: 2K 2.5K CPS.	SCALE: CPS.
TIME CONSTANT 2 SEC.	TIME CONSTANT 2 1 SEC.	TIME CONSTANT 2 1 SEC.	TIME CONSTANT SEC.
LOGGING SPEED: 20 FT./MIN.	LOGGING SPEED: 5 FT./MIN.	LOGGING SPEED: 5 FT./MIN.	LOGGING SPEED: FT./MIN.
RESISTANCE OHMS/DIV.	FROM: 1388 610 FT.	FROM: 585 534 FT.	FROM: FT.
SELF POTENTIAL: MV/DIV.	TO: 1405 643 FT.	TO: 610 542 FT.	TO: FT.
0'-1566'	TOTAL: 17 33 FT.	TOTAL: 25 8 FT.	TOTAL: FT.
40c/in	200c/in 2K/in	GAMMA RERUNS 400c/in 500c/in	NEUTRON–NEUTRON
TOTAL DEPTH FT.	SCALE: CPS.	SCALE: CPS.	SCALE: 4K CPS.
	TIME CONSTANT SEC.	TIME CONSTANT SEC.	TIME CONSTANT 2 SEC.
UNIT NO: 15	LOGGING SPEED: 5 FT./MIN.	LOGGING SPEED: 5 FT./MIN.	LOGGING SPEED: 20 FT./MIN.
OPERATOR: K. LUTTRELL	FROM: FT.	FROM: FT.	FROM: 0 FT.
DRIVE HRS.	TO: FT.	TO: FT.	TO: 1570 FT.
STANDBY: HRS. TIME IN:	TOTAL: FT.	TOTAL: FT.	TOTAL: 400c/in FT.
LOGGING: HRS. TIME OUT:	REMARKS:		ZERO: 1.5"
TOTAL: HRS.	RERUNS: 83'		
ROUND TRIP MILEAGE: MILES	DRIFT: 1567'		
	COMPUTER: DATA ON DISC		

GAMMA RAY CPS | SELF POTENTIAL MILLIVOLTS | RESISTANCE OHMS

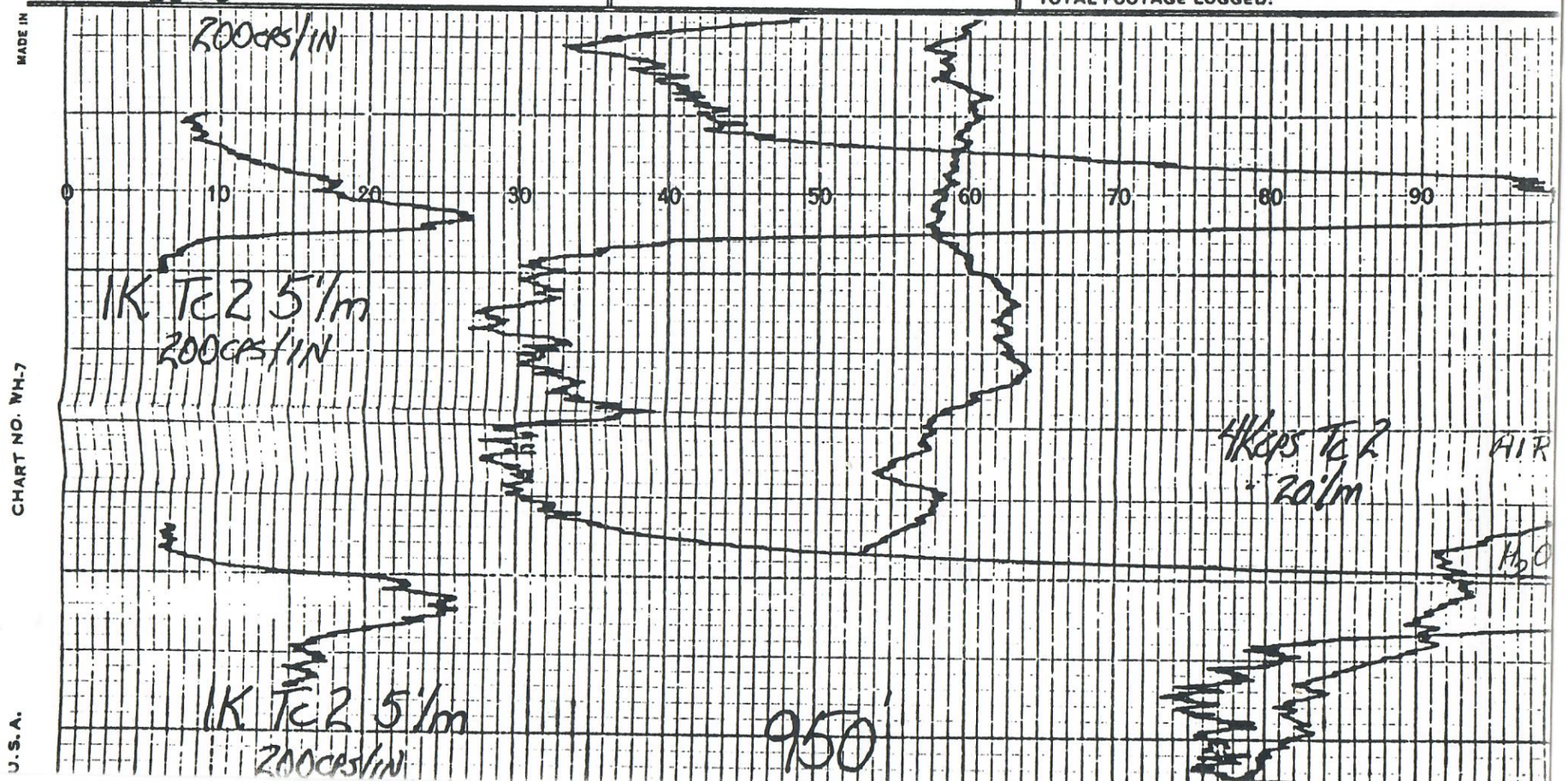
CYN-9

4765 INDE[illegible]DGE STREET
WHEAT RIDGE (DENVER) CO 80033
(303) 422-5[illegible]

NUCLEAR LOGGING SERVICE, INC.

BOX
NUCLA,

COMPANY: ENERGY FUELS NUCLEAR	–CALIBRATION–	–HOLE DATA–
PROJECT AREA: CANYON	GEOL: B. CASADEVALL	DRILLING CONTRACTOR: QUALITY DRILLIN
HOLE NO: CYN-9		DRILL NO:
	.5 FT. K FACTOR (AIR) 1.22×10^{-5} / 6.37×10^{-5}	DEPTH DRILLED: 1655'
DATE: 8/10/84	WATER FACTOR 1.096 CASING FACTOR	HOLE DIAMETER: 6¾(0-500); 6½(580-2
COUNTY: COCONINO	ANALOG DEAD TIME: 5.20 / 7.68 μ SEC.	DRILLING FLUID: 5% (220-TD)
STATE: AZ	PROBE NO. 5202 (STD) / 2425 (SHIELDED)	FLUID LEVEL: 938
SECTION: 20 TWN: 29N RNG: 3E	PROBE DIAMETER: IN.	DEPTH LOGGED: 1655
ELEVATION: 6500	5" – FULL SCALE	TOTAL FOOTAGE LOGGED:

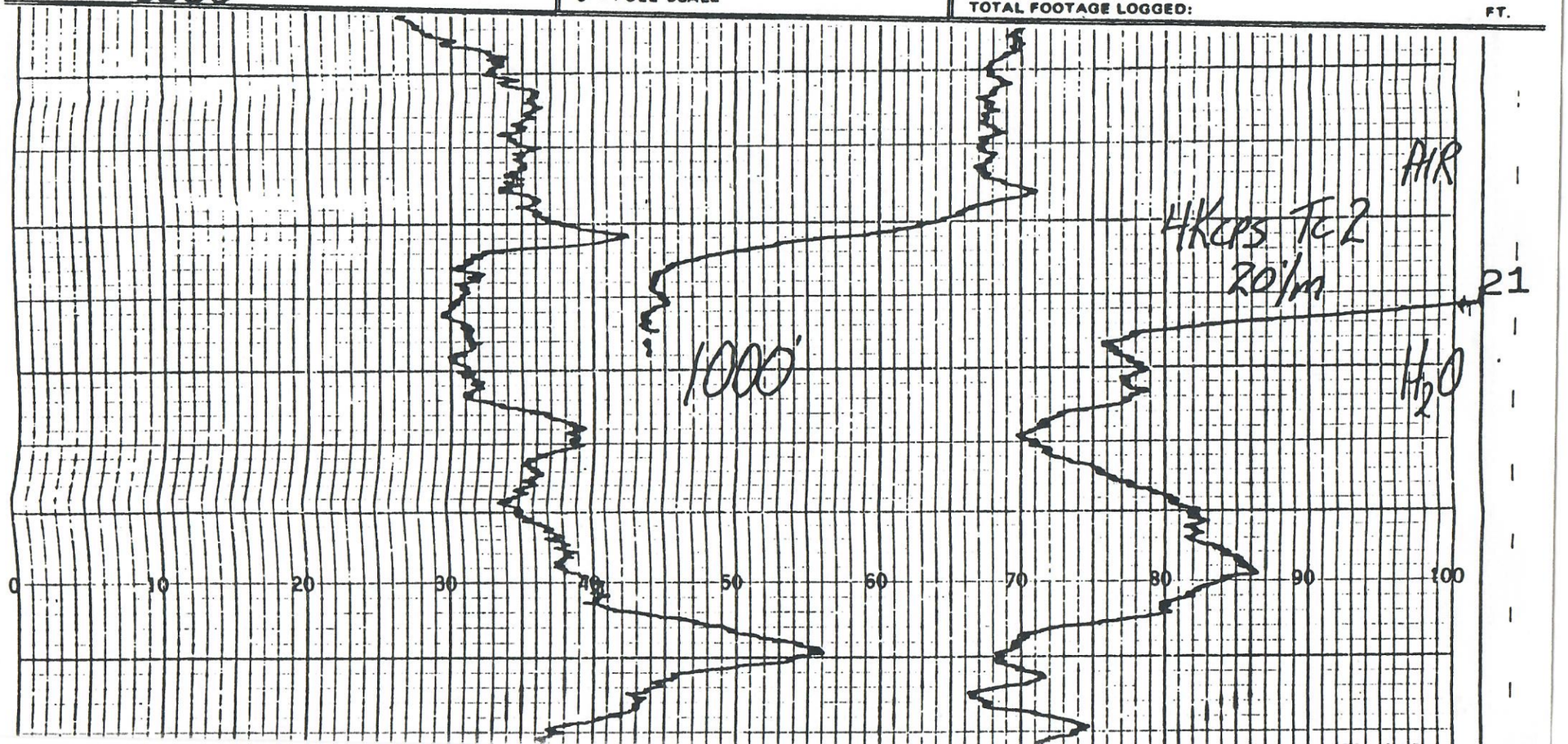


MADE IN U.S.A. CHART NO. WH-7

NUCLEAR LOGGING SERVICE, INC.

NUCLA, CO 81424
(303) 864-2213

COMPANY: ENERGY FUELS NUCLEAR	–CALIBRATION–	–HOLE DATA–
PROJECT AREA: CANYON	GEOL: B. CASADEVALL	DRILLING CONTRACTOR: QUALITY DRILLING
HOLE NO: CYN-10		DRILL NO:
	.5 FT. K FACTOR (AIR): 1.22X10-5 / 6.37x10-5	DEPTH DRILLED: ~~1680~~ 1700' W.A.S. FT.
DATE: 9-12-84	WATER FACTOR: 1.11 (65%) CASING FACTOR	HOLE DIAMETER: 6¾ (422); 6½ (820); 6¼ (1000); IN.
COUNTY: COCONINO	ANALOG DEAD TIME: 5.20 | 7.68 u SEC.	DRILLING FLUID: 6 (1140); 5⅝ (1400); 5½ (TD)
STATE: AZ	PROBE NO. 5202 | 2425	FLUID LEVEL: 996 FT.
SECTION: 20 TWN: 29N RNG: 3E	PROBE DIAMETER: IN.	DEPTH LOGGED: 1679 FT.
ELEVATION: 6500	5" = FULL SCALE	TOTAL FOOTAGE LOGGED: FT.



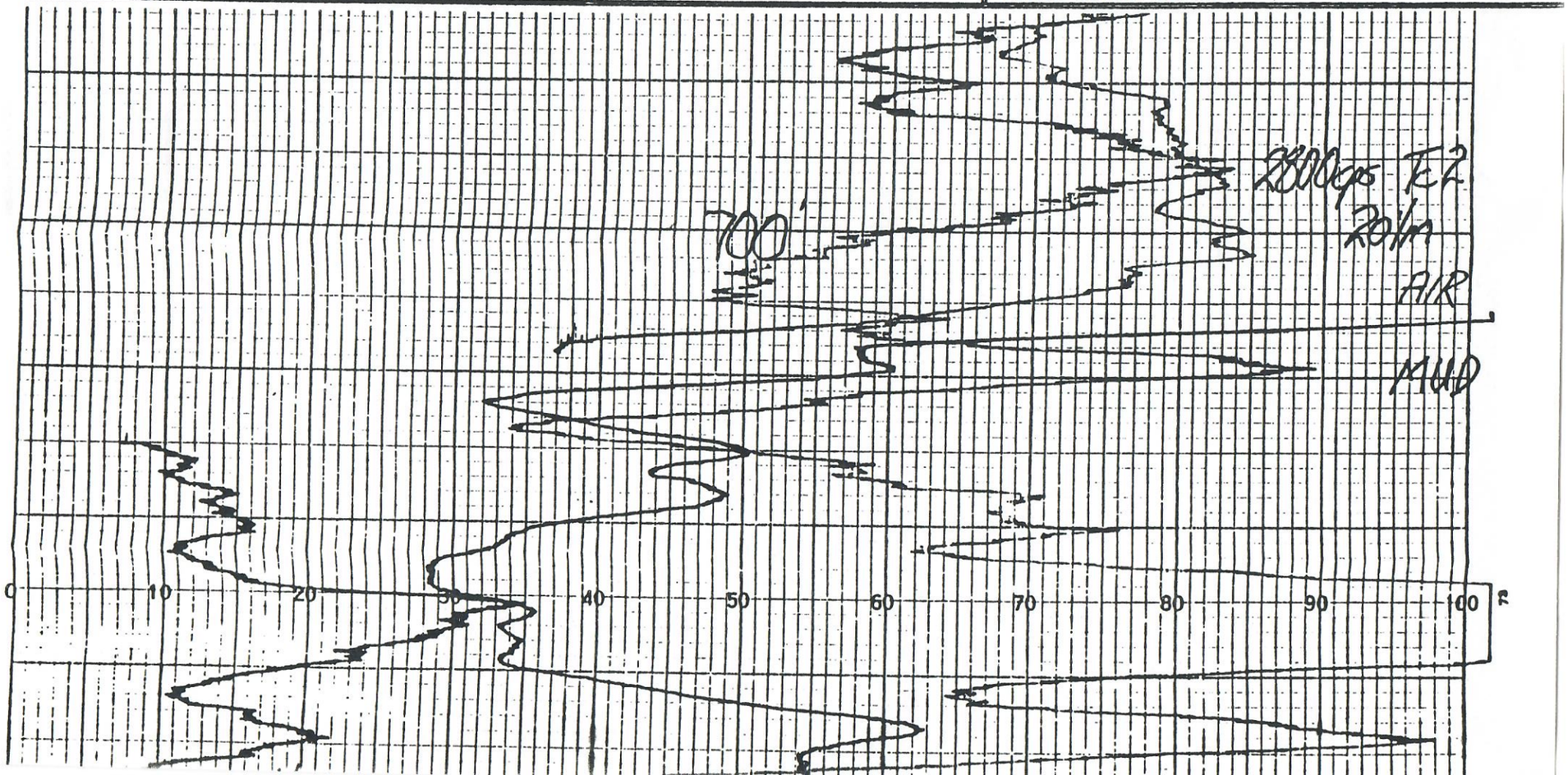
CYN-11

4761 INDUSTRIAL AVENUE STREET
WHEAT RIDGE (DENVER), COLORADO 80033
(303) 422-5478

NUCLEAR LOGGING SERVICE, INC.

BOX 670
NUCLA, CO 81
(303) 864-221

COMPANY: ENERGY FUELS NUCLEAR	—CALIBRATION—	—HOLE DATA—
PROJECT AREA: CANYON	GEOL: B. CASADEVALL	DRILLING CONTRACTOR: QUALITY DRILLING
HOLE NO: CYN-11		DRILL NO:
	.5 FT. K FACTOR (AIR) 1.24x10⁵	DEPTH DRILLED: 1840 FT.
DATE: 10-6-84	WATER FACTOR 1.13 (6¾") CASING FACTOR	HOLE DIAMETER: 6¾ (200); 6½ (510); 6¼ (1140); IN.
COUNTY: COCONINO	Analog DEAD TIME: 11.68 u SEC.	DRILLING FLUID: 6 (1300); 5⅞ (1820)
STATE: AZ	PROBE NO. 921	FLUID LEVEL: 706 FT.
SECTION: 20 TWN: 29N RNG: 3E	PROBE DIAMETER: IN.	DEPTH LOGGED: 1840 FT.
ELEVATION: 6500	5" = FULL SCALE	TOTAL FOOTAGE LOGGED: FT.



PRINTED IN U.S.A.

CYN-12-C

NUCLEAR LOGGING SERVICE, INC.

476 [illegible] STREET
WHEAT[illegible] [illegible] 80000
(3[illegible] 422-5[illegible]

BOX 670
NUCLA, CO 8142
(303) 864-2213

COMPANY: ENERGY FUELS NUCLEAR	–CALIBRATION–	–HOLE DATA–
PROJECT AREA: CANYON	GEOL: B. GRADEVALL	DRILLING CONTRACTOR: BOYLES BROS.
HOLE NO: CYN-12-C		DRILL NO:
	1.13x10⁻⁵	
	.5 FT. K FACTOR (AIR) 6.37x10⁻⁵	DEPTH DRILLED: 2022 FT.
DATE: 11-15-84	WATER FACTOR 1.048 CASING FACTOR 1.58 (4½")	HOLE DIAMETER: 3" IN.
COUNTY: COCONINO	DEAD TIME: 6.19 7.68 μ SEC.	DRILLING FLUID: (DRILL STEEL 1330'–2022')
STATE: AZ	PROBE NO. 5202 2425	FLUID LEVEL: NO WATER FT.
SECTION: 20 TWN: 29N RNG: 3E	PROBE DIAMETER: IN.	DEPTH LOGGED: 1712 FT.
ELEVATION: 6500	5" – FULL SCALE	TOTAL FOOTAGE LOGGED: FT.

Casing & water factor calculated

INITIAL RUN	GAMMA RERUNS		SHIELDED REPEATS
(*) GAMMA–FULL SCALE 5K CPS	SCALE: 20K 10K 10K CPS.	SCALE: 50K 50K 25K CPS.	SCALE: 20K 10K 20K 20K CPS.
TIME CONSTANT 1 SEC.	TIME CONSTANT 1 1 1 SEC.	TIME CONSTANT 1 1 1 SEC.	TIME CONSTANT 1 1 1 1 SEC.
LOGGING SPEED: 40 FT./MIN.	LOGGING SPEED: 5 FT./MIN.	LOGGING SPEED: 5 FT./MIN.	LOGGING SPEED: FT./MIN.
RESISTANCE OHMS/DIV.	FROM: 1697 1355 1325 FT.	FROM: 1270 1219 1004 FT.	FROM: 1270 1217 991 921 FT.
SELF POTENTIAL: MV/DIV.	TO: 1712 1370 1345 FT.	TO: 1325 1240 1095 FT.	TO: 1345 1240 1004 946 FT.
-1712'	TOTAL: 15 15 20 FT.	TOTAL: 55 21 91 FT.	TOTAL: 75 21 13 25 FT.
1K/IN	40FT/IN 20FT/IN 20FT/IN	10FT/IN 10FT/IN 5FT/IN	40FT/IN WITH 20FT/IN NEUTRON 40FT/IN 40FT/IN

GAMMA RERUNS		
SCALE: 50K 25K 50K CPS.	SCALE: 20K CPS	SCALE CPS
TIME CONSTANT 1 1 SEC.	TIME CONSTANT 1 SEC.	TIME CONSTANT SEC.
LOGGING SPEED: 5 FT./MIN.	LOGGING SPEED: 5 FT./MIN.	LOGGING SPEED: FT./MIN.
FROM: 991 970 921 FT.	FROM: 903 FT.	FROM: NO NEUTRON FT.
TO: 1004 991 946 FT.	TO: 921 FT.	TO: FT.
TOTAL: 13 21 25 FT.	TOTAL: 18 FT.	TOTAL: FT.
10FT/IN 5FT/IN 10FT/IN	40FT/IN	

TOTAL DEPTH FT.
UNIT NO: 15
OPERATOR: K. LUTTRELL
DRIVE HRS.
STANDBY HRS. TIME IN:
LOGGING: HRS. TIME OUT:
TOTAL: HRS.
ROUND TRIP MILEAGE: MILES

REMARKS:
RERUNS: 294' + 134' = 428'
(*) GAS IN HOLE
DRIFT: 1330'
COMPUTER: DATA ON DISCS (2)

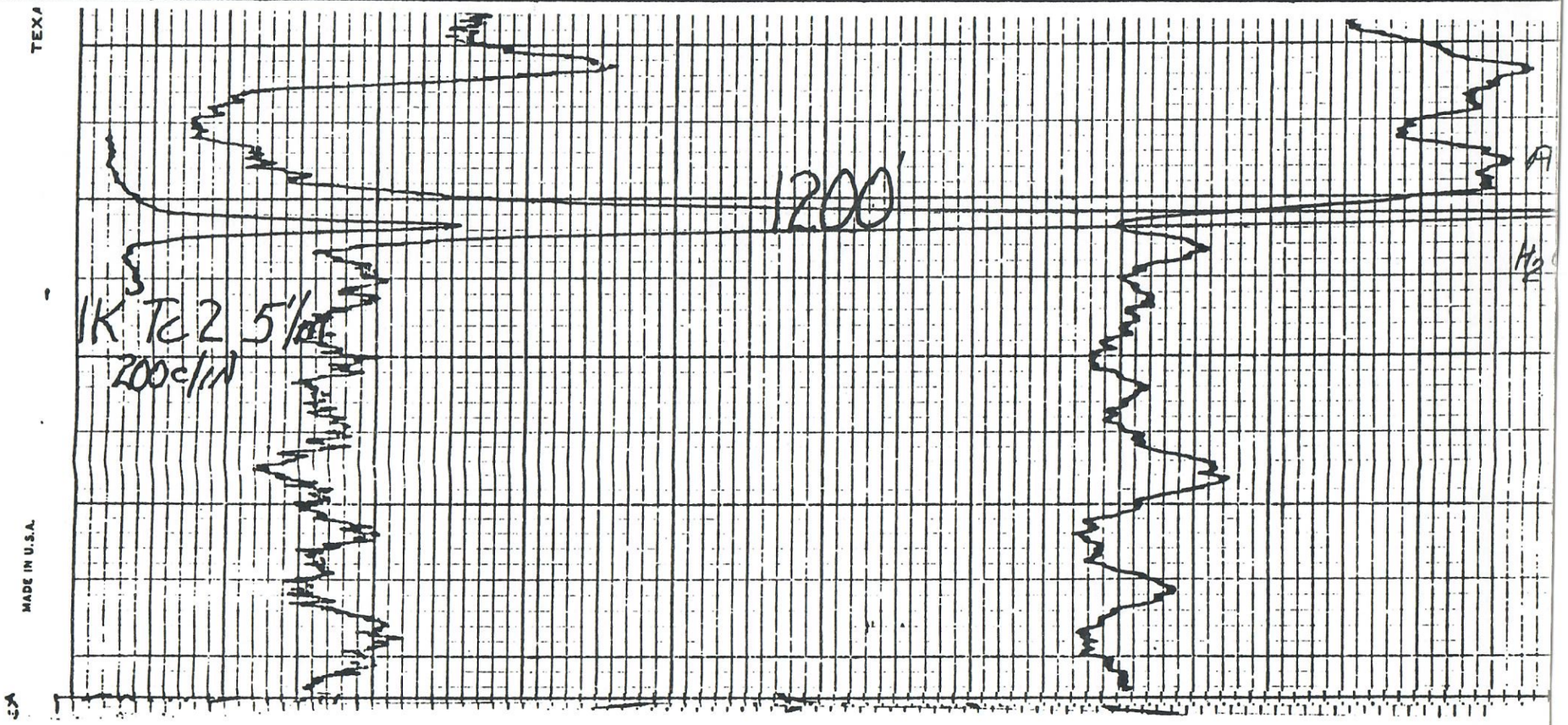
GAMMA RAY CPS | SELF POTENTIAL MILLIVOLTS | RESISTANCE OHMS

CYN-13-C

NUCLEAR LOGGING SERVICE, INC.

(303) 864-2213

HOLE NO: CYN-13-C		DRILL NO:
	.5 FT. K FACTOR (AIR) 1.26x10⁵	DEPTH DRILLED: 1966' FT.
DATE: 11/7/84	WATER FACTOR 1.048 CASING FACTOR	HOLE DIAMETER: NC (0-770'); NX (770-1966') IN.
COUNTY: COCONINO	DEAD TIME: 11.85 μ SEC.	DRILLING FLUID: DRILL STEEL (770-1966')
STATE: AZ	PROBE NO. 921	FLUID LEVEL: 1202 CASING (0-770) FT.
SECTION: 20 TWN: 29N RNG: 3E	PROBE DIAMETER: IN.	DEPTH LOGGED: 1966 FT.
ELEVATION: 6500	5" = FULL SCALE	TOTAL FOOTAGE LOGGED: FT.



Casing to 770'

Drilled at -70 diagonal
≈ 1,130' bls

WHEAT [illegible] 22-5478

CYN14C

COMPANY: ENERGY FUELS NUCLEAR
PROJECT AREA: CANYON
HOLE NO: CYN-14-C
DATE: 11-29-84
COUNTY: COCONINO
STATE: AZ
SECTION: 20 TWN: 29N RNG: 3E
ELEVATION: 6500

–CALIBRATION–

GAMMA R. CALIBRATION
1.18 x10⁻⁵
.5 FT. K FACTOR (AIR) 6.37x10⁻⁵
WATER FACTOR 1.05 (3½) CASING FACTOR 1.58 (4½")
DEAD TIME: 6.19 7.68 SEC.
PROBE NO. 5202 2425
PROBE DIAMETER: IN.
5" = FULL SCALE

–HOLE DATA–

DRILLING CONTRACTOR: BOYLES BROS.
DRILL NO:
DEPTH DRILLED: 1436 FT.
HOLE DIAMETER: 3½ (0-760), 3¼ (760-1114) IN.
DRILLING FLUID: 3¼ (1114-TD)
FLUID LEVEL: NO WATER FT.
DEPTH LOGGED: 1434 FT.
TOTAL FOOTAGE LOGGED: FT.

Water & casing factor calculated for 1/4" casing wall

Drill log notes water level at: ? 885'

INITIAL RUN

GAMMA–FULL SCALE 400 CPS
TIME CONSTANT 2 SEC.
LOGGING SPEED: 20 FT./MIN.
RESISTANCE OHMS/DIV.
SELF POTENTIAL: MV/DIV.
0'-1430'
40 c/in
TOTAL DEPTH FT.
UNIT NO: 15
OPERATOR: K. LUTTRELL
DRIVE HRS.
STANDBY: HRS. TIME IN:
LOGGING: HRS. TIME OUT:
TOTAL: HRS.
ROUND TRIP MILEAGE: MILES

GAMMA RERUNS

SCALE: 1K 5K 50K CPS.
TIME CONSTANT 2 1 1 SEC.
LOGGING SPEED: 5 FT./MIN.
FROM: 1355 1327 1296 FT.
TO: 1384 1355 1327 FT.
TOTAL: 29 28 31 FT.
200c/in 100c/in 10c/in

SCALE: 100K 10K 2K CPS.
TIME CONSTANT 1 1 2 SEC.
LOGGING SPEED: 5 FT./MIN.
FROM: 1236 1214 1203 FT.
TO: 1296 1236 1214 FT.
TOTAL: 60 22 11 FT.
20c/in 2c/in 400c/in

GAMMA RERUNS

SCALE: 1K 2K 5K 20K 2K CPS.
TIME CONSTANT 2 2 1 1 2 SEC.
LOGGING SPEED: —5— FT./MIN.
FROM: 1188 1134 1100 1058 946 FT.
TO: 1201 1162 1134 1088 970 FT.
TOTAL: 13 28 34 30 24 FT.
200c/in 100c/in 10K/in 40c/in 400c/in

GAMMA RERUNS

SCALE: 2K 5K 2K CPS.
TIME CONSTANT 2 1 2 SEC.
LOGGING SPEED: 5 FT./MIN.
FROM: 887 855 835 FT.
TO: 932 887 855 FT.
TOTAL: 45 32 20 FT.
400c/in 10K/in 400c/in

SHIELDED RERUNS

SCALE: 2K 10K 50K 2K CPS.
TIME CONSTANT 2 1 1 2 SEC.
LOGGING SPEED: 5 FT./MIN.
FROM: 1327 1296 1246 1214 FT.
TO: 1355 1327 1296 1240 FT.
TOTAL: 28 31 56 26 FT.
200c/in 20K/in 10K/in 400c/in

NEUTRON–NEUTRON

SCALE: 2800 1400 CPS.
TIME CONSTANT 2 2 SEC.
LOGGING SPEED: 20 20 FT./MIN.
FROM: 0 890 FT.
TO: 890 1434 FT.
TOTAL: 280c/in 140c/in FT.
ZERO: 2.0" 2.0"

REMARKS:
RERUNS: 407 + 141 = 548'
DRIFT: 1425'
COMPUTER: DATA ON DISCS (2)

GAMMA RAY CPS | SELF POTENTIAL MILLIVOLTS | RESISTANCE OHMS

CAL SLEEVE + 2250 2400 CPS

4

CYN-15-C

NUCLEAR LOGGING

(303) 864-2213

COMPANY: ENERGY FUELS NUCLEAR	—CALIBRATION—	—HOLE DATA—
PROJECT AREA: CANYON	GEOL: W. SEICK	DRILLING CONTRACTOR: BOYLES BROS.
HOLE NO: CYN-15-C		DRILL NO:
	.5 FT. K FACTOR (AIR) 1.18X10⁵	DEPTH DRILLED: 2134 FT.
DATE: 1/12/85	WATER FACTOR / CASING FACTOR	HOLE DIAMETER: 3.937"(635); 3¼"(515); IN.
COUNTY: COCONINO	DEAD TIME: 6.19 μ SEC.	DRILLING FLUID: 3⅞ (TD) CASING: 0-635'
STATE: AZ	PROBE NO. 5202 #	FLUID LEVEL: No Water FT.
SECTION: 20 TWN: 29N RNG: 3E	PROBE DIAMETER: IN.	DEPTH LOGGED: 2134 FT.
ELEVATION: 6500	5" = FULL SCALE	TOTAL FOOTAGE LOGGED: FT.

Casing to 635'

INITIAL RUN

GAMMA—FULL SCALE	400 CPS
TIME CONSTANT	2 SEC.
LOGGING SPEED:	20 FT./MIN.
RESISTANCE	OHMS/DIV.
SELF POTENTIAL:	MV/DIV.
0'-2130'	
40¢/IN	

GAMMA RERUNS

SCALE:	1K	1K	1K	CPS.
TIME CONSTANT	2	2	2	SEC.
LOGGING SPEED:	5			FT./MIN.
FROM:	1840	1778	1681	FT.
TO:	1825	1763	1691	FT.
TOTAL:	15	45	10	FT.
	200¢/in	200¢/in	200¢/in	

GAMMA RERUNS

SCALE:	1K	1K	1K	CPS.
TIME CONSTANT	2	2	2	SEC.
LOGGING SPEED:	5			FT./MIN.
FROM:	1656	1596	1465	FT.
TO:	1646	1565	1482	FT.
TOTAL:	10	25	17	FT.
	200¢/in	200¢/in	200¢/in	

GAMMA RERUNS

SCALE:	1K	1K	1K	2.5K	2K CPS.
TIME CONSTANT	2	1	2	2	SEC.
LOGGING SPEED:		5			FT./MIN.
FROM:	1421	1363	1323	1219	1177 FT.
TO:	1440	1396	1337	1285	1187 FT.
TOTAL:	19	33	14	66	10 FT.
	200¢/in	200¢/in	200¢/in	500¢/in	400¢/in

TOTAL DEPTH	FT.
UNIT NO:	15
OPERATOR:	K. LUTTRELL
DRIVE	HRS.
STANDBY:	HRS. TIME IN:
LOGGING:	HRS. TIME OUT:
TOTAL:	HRS.
ROUND TRIP MILEAGE:	MILES

GAMMA RERUNS

SCALE:	1K	1K	1K	CPS.
TIME CONSTANT	2	2	2	SEC.
LOGGING SPEED:	5			FT./MIN.
FROM:	1056	940	903	FT.
TO:	1073	953	931	FT.
TOTAL:	17	13	28	FT.
	200¢/in	200¢/in	200¢/in	

GAMMA RERUNS

SCALE:	2K	2.5K	CPS.
TIME CONSTANT	2	2	SEC.
LOGGING SPEED:	5		FT./MIN.
FROM:	864	738	FT.
TO:	884	763	FT.
TOTAL:	20	25	FT.
	400¢/in	500¢/in	

NEUTRON—NEUTRON

SCALE:	2800	1400	CPS.
TIME CONSTANT	2	2	SEC.
LOGGING SPEED:	20	20	FT./MIN.
FROM:	0	1218	FT.
TO:	1218	2134	FT.
TOTAL:	280¢/IN	140¢/IN	FT.
ZERO:	1.5"	1.5"	

REMARKS:

RERUNS: 367'

DRIFT: 2128'

COMPUTER: DATA ON DISC

GAMMA RAY CPS | SELF POTENTIAL MILLIVOLTS | RESISTANCE OHMS

CYN-15WI

NUCLEAR LOGGING SERVICE, INC.

4765 INDEPENDENCE COURT
WHEAT RIDGE (DENVER), COLORADO
(303) 422-5[illegible]

BOX 670
NUCLA, CO 81424
(303) 864-2213

COMPANY: ENERGY FUELS NUCLEAR	–CALIBRATION–	–HOLE DATA–
PROJECT AREA: CANYON	GEOL: B. CASADEVALL	DRILLING CONTRACTOR: BOYLES BROS.
HOLE NO: CYN-15WI		DRILL NO:
DATE: 4/9/85	.5 FT. K FACTOR (AIR) 1.17X10⁻⁵	DEPTH DRILLED: 1403 FT.
COUNTY: COCONINO	WATER FACTOR 1.054 CASING FACTOR	HOLE DIAMETER: 5 1/4 CASING: 635' IN.
STATE: AZ	DEAD TIME: 5.83 u SEC.	DRILLING FLUID:
SECTION: 20 TWN: 29N RNG: 3E	PROBE NO. 5202	FLUID LEVEL: No Water FT.
ELEVATION: 6500	PROBE DIAMETER: IN.	DEPTH LOGGED: 1400 FT.
	5" = FULL SCALE	TOTAL FOOTAGE LOGGED: FT.

casing to 635'

INITIAL RUN	GAMMA RERUNS		
GAMMA–FULL SCALE 400 CPS	SCALE: 2K 20K 5K CPS.	SCALE: 10K 20K 1K CPS.	SCALE: 2K 2K 10K CPS.
TIME CONSTANT 2 SEC.	TIME CONSTANT 2 1 1 SEC.	TIME CONSTANT 1 1 2 SEC.	TIME CONSTANT 2 2 1 SEC.
LOGGING SPEED: 20 FT./MIN.	LOGGING SPEED: 5 FT./MIN.	LOGGING SPEED: 5 FT./MIN.	LOGGING SPEED: — 5 — FT./MIN.
RESISTANCE OHMS/DIV.	FROM: 1345 1335 1290 FT.	FROM: 1273 1253 1243 FT.	FROM: 1223 1199 1140 FT.
SELF POTENTIAL: MV/DIV.	TO: 1396 1345 1325 FT.	TO: 1290 1273 1253 FT.	TO: 1233 1216 1170 FT.
0'-1396'	TOTAL: 51 20 35 FT.	TOTAL: 17 20 10 FT.	TOTAL: 10 17 30 FT.
40C/IN	400'/IN 4K/IN 1K/IN	GAMMA RERUNS 2K/IN 4K/IN 200'/IN	NEUTRON–NEUTRON
TOTAL DEPTH FT.	SCALE: 1K 1K 1K CPS.	SCALE: 1K 2.5K CPS.	SCALE: 1400 CPS.
	TIME CONSTANT 2 2 2 SEC.	TIME CONSTANT 2 2 SEC.	TIME CONSTANT 2 SEC.
UNIT NO: 15	LOGGING SPEED: 5 FT./MIN.	LOGGING SPEED: 5 FT./MIN.	LOGGING SPEED: 20 FT./MIN.
OPERATOR: K. LUTTRELL	FROM: 1050 938 919 FT.	FROM: 860 738 FT.	FROM: 0 FT.
DRIVE HRS.	TO: 1070 952 929 FT.	TO: 887 763 FT.	TO: 1400 FT.
STANDBY: HRS. TIME IN:	TOTAL: 20 14 10 FT.	TOTAL: 27 25 FT.	TOTAL: 140C/IN FT.
LOGGING: HRS. TIME OUT:	100'/IN 200'/IN 200'/IN	200'/IN 500'/IN	BERO: 0.5"
TOTAL: HRS.	REMARKS:		
ROUND TRIP MILEAGE: MILES	RERUNS: 306'		
	DRIFT: 1400'		
	COMPUTER: DATA ON DISC		

GAMMA RAY CPS | SELF POTENTIAL MILLIVOLTS | RESISTANCE OHMS

CYN-16-C

(303) 864-2213

COMPANY: ENERGY FUELS NUCLEAR	—CALIBRATION—	—HOLE DATA—
PROJECT AREA: CANYON	GEOL: S. JACKSON	DRILLING CONTRACTOR: BOYLES BROS.
HOLE NO: CYN-16-C		DRILL NO:
	.5 FT. K FACTOR (AIR) 1.18X10⁻⁵	DEPTH DRILLED: 2198 FT.
DATE: 12-10-84	WATER FACTOR 1.054 (84) CASING FACTOR	HOLE DIAMETER: 3.937 (7⅞); 3¼ (2085) IN.
COUNTY: COCONINO	DEAD TIME: 6.19 μ SEC.	DRILLING FLUID: 3⅞ (TD)
STATE: AZ	PROBE NO. 5202	FLUID LEVEL: No Water FT.
SECTION: 20 TWN: 29N RNG: 3E	PROBE DIAMETER: IN.	DEPTH LOGGED: 2198 FT.
ELEVATION: 6500	5" = FULL SCALE	TOTAL FOOTAGE LOGGED: FT.

INITIAL RUN	GAMMA RERUNS		DENSITY
GAMMA—FULL SCALE 400 CPS	SCALE: 2.5K CPS.	SCALE: 5K CPS.	SCALE: CPS.
TIME CONSTANT 2 SEC.	TIME CONSTANT 2 SEC.	TIME CONSTANT 1 SEC.	TIME CONSTANT SEC.
LOGGING SPEED: 30 FT./MIN.	LOGGING SPEED: 5 FT./MIN.	LOGGING SPEED: 5 FT./MIN.	LOGGING SPEED: FT./MIN.
RESISTANCE OHMS/DIV.	FROM: 1993 FT.	FROM: 788 FT.	FROM: FT.
SELF POTENTIAL: MV/DIV.	TO: 2013 FT.	TO: 788 FT.	TO: FT.
0'-2194'	TOTAL: 15 FT. 300¢/IN	TOTAL: 10 FT. 1K¢/IN	TOTAL: FT.
40¢/IN			

	GAMMA RERUNS		NEUTRON–NEUTRON
TOTAL DEPTH FT.	SCALE: 2K CPS.	SCALE: CPS.	SCALE: 2800 CPS.
	TIME CONSTANT 2 SEC.	TIME CONSTANT SEC.	TIME CONSTANT 2 SEC.
UNIT NO: 15	LOGGING SPEED: 5 FT./MIN.	LOGGING SPEED: 5 FT./MIN.	LOGGING SPEED: 20 FT./MIN.
OPERATOR: K. LUTTRELL	FROM: 537 FT.	FROM: FT.	FROM: 0 FT.
DRIVE HRS.	TO: 547 FT.	TO: FT.	TO: 2198 FT.
STANDBY: HRS. TIME IN:	TOTAL: 10 FT. 400¢/IN	TOTAL: FT.	TOTAL: 280¢/IN FT.
LOGGING: HRS. TIME OUT:	REMARKS:		ZERO: 1.5"
TOTAL: HRS.	RERUNS: 35'		
ROUND TRIP MILEAGE: MILES	DRIFT: 2195'		
	COMPUTER: DATA ON DISC		

GAMMA RAY CPS | SELF POTENTIAL MILLIVOLTS | RESISTANCE OHMS

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